

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A file searching method of a data broadcasting system, the method comprising the steps of:

when a search of a file object is requested, confirming whether or not a Download Server Initiate control message is updated, the Download Server Initiate control message including a basic root directory and at least two directories located at a lower hierarchical architecture of the root directory; and

when the Download Server Initiate control message is confirmed to have been updated, searching for the file object from a directory object located at the lower hierarchical architecture of the updated root directory.

~~confirming whether or not a Download Server Initiate control message is updated, in response to a search request for a file object; and~~

~~searching for the file object from an updated root directory object, when the Download Server Initiate control message is confirmed to have been updated.~~

2. (Currently Amended) The file searching method according to claim 1, wherein the step of confirming comprises:

~~confirming based on version information of the Download Server Initiate control a~~
Download Info Indication message.

3. (Previously Presented) The file searching method according to claim 1, wherein the step of confirming comprises:

confirming that the Download Server Initiate control message is not updated by confirming an absolute path is not written, and a basic root directory object is designated, in the Download Server Initiate control message.

4. (Previously Presented) The file searching method according to claim 3, wherein the basic root directory object is a directory object located in a hierarchical architecture and used in an initial search for the file object.

5. (Previously Presented) The file searching method according to claim 1, wherein the step of confirming comprises:

confirming that the Download Server Initiate control message is updated by confirming an absolute path is written, and the updated root directory object is designated, in the Download Server Initiate control message.

6. (Previously Presented) The file searching method according to claim 5, wherein the updated root directory object is a directory object of a hierarchical architecture corresponding to the absolute path.

7. (Currently Amended) The file searching method according to claim 5, wherein the absolute path comprises at least two hierarchically arranged directory object paths configured to enable skipping object paths while searching the file.

8. (Previously Presented) The file searching method according to claim 1, further comprising:

updating the Download Server Initiate control message when the file object is initially searched.

9. (Previously Presented) The file searching method according to claim 8, the step of updating the Download Server Initiate control message comprising:

identifying the absolute path and the updated root directory object when the file object is initially searched.

10. (Currently Amended) A file searching method of a data broadcasting system, the method comprising the steps of:

confirming whether or not an absolute path exists within a Download Server Initiate (DSI) control message, in response to a search request for a file object; and

searching for the file object from an updated root directory object corresponding to the absolute path, when the absolute path is confirmed to exist,

wherein the absolute path represents a path for the updated root directory object existing in a whole hierarchical architecture of a basic root directory object designated by the DSI control message.

11. (Previously Presented) The file searching method according to claim 10, wherein the updated root directory object is a directory object of a hierarchical architecture corresponding to the absolute path.

12. (Previously Presented) The file searching method according to claim 10, wherein the absolute path comprises at least two directory object paths.

13. (Previously Presented) The file searching method according to claim 10, further comprising:

creating the absolute path when the file object is searched at least one time; and
writing the absolute path in the Download Server Initiate control message.

14. (Currently Amended) The method according to claim 1, wherein the confirming step comprises:

confirming whether or not only a single user area of a control message of the Download Server Initiate control message is updated, in response to the search request for the file object.

15. (Currently Amended) A file searching method of a data broadcasting system, the method comprising the steps of:

confirming whether or not information concerning a basic root directory object of a Download Server Initiate control message is updated, in response to a search request for a file

object, wherein the information includes the basic root directory object and at least two directories; and

searching for the file object from an updated root directory object, when the basic root directory object of the Download Server Initiate control message is confirmed to have been updated.

16. (Previously Presented) The method according to claim 15, wherein the information concerning the basic root directory object comprises a "ServiceGatewayInfo()" field of Download Server Initiate control message.

17. (Currently Amended) A file searching method of a data broadcasting system, the method comprising the steps of:

receiving a first search request for a file object;

searching for the file object from a basic root directory object of a first Download Server Initiate control message in response to the first search request;

updating the first Download Server Initiate control message by using at least one of an absolute path and an updated basic root directory object for the file object in response to said step of searching in response to the first search request;

receiving a second search request for the file object; and

searching for the file object by using the at least one of the absolute path and the updated basic root directory object, based on the updated Download Server Initiate control message,

wherein the absolute path comprises at least two directory object paths to be skipped in searching the file object.

18. (Previously Presented) A file searching method of a data broadcasting system, the method comprising the steps of:

receiving a first search request for a file object;

searching for the file object from a basic root directory object of a first Download Server
Initiate control message in response to the first search request;

updating the first Download Server Initiate control message to include an absolute path
for the file object in response to said step of searching in response to the first search request;

receiving a second search request for the file object; and

searching for the file object from an updated root directory object of a next hierarchical
architecture of the absolute path, based on the updated Download Server Initiate control
message.

19. (Currently Amended) The method according to claim 18, wherein, the searching step
comprises:

skipping a directory object of a hierarchical architecture of the absolute path and directly
accessing the ~~hierarchical architecture~~ a directory object of the next directory object hierarchical
architecture of the absolute path when the directory object is written to the absolute path of the
updated Download Server Initiate control message.

20. (Previously Presented) The method according to claim 1, wherein the confirming step comprises:

confirming whether or not a "ServiceGatewayInfo()" field of the Download Server Initiate control message is updated, in response to the search request for the file object.

21. (New) The file searching method according to claim 10, wherein the step, if confirming comprises:

confirming whether or not the absolute path is based on a serviceContext_data_byte of a Download Server Initiate control message.

22. (New) The file searching method according to claim 10, wherein the step of searching comprises:

searching from a next directory object of the directory object corresponding to the absolute path.

23. (New) The file searching method according to claim 10, wherein the step of searching comprises:

searching from the updated root directory object being a next hierarchical architecture of the absolute path.

24. (New) The file searching method according to claim 10, wherein the step of searching comprises:

skipping the directory object corresponding to the absolute path.

25. (New) The method according to claim 15, wherein the information concerning the basic root directory object comprises:

a message indicating the basic root directory object and a message indicating an absolute path of Download Server Initiate control message.

26. (New) The file searching method according to claim 5, wherein the absolute path comprises:

at least two directory object paths, in which the absolute path makes at least two upper directory object paths in a hierarchical architecture of a basic root directory object skip in searching the file.